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Use generative AI to recommend social places (restaurants bars, etc.) based on the user profile, locations, posts, search histories.

Group 21

Soham Kamble (A20517098)

Shivdeep Bisurkar (A20525712)

Karan Batra (A20518491)



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Project Overview

Introduction:

The project aims to develop an AI-powered recommendation system for social places such as restaurants, bars, cafes, etc. The system will leverage generative AI techniques to analyze user profiles, locations, posts, and search histories to provide personalized recommendations.

Objectives:

- Integrate OpenAI model to give recommendations based on user profiles, locations, posts, and search histories.
- Create a database of users with preferences stored as attributes.
- Use Yelp API to get places based on user preferences.
- Design a user-friendly interface for users to interact with the recommendation system.

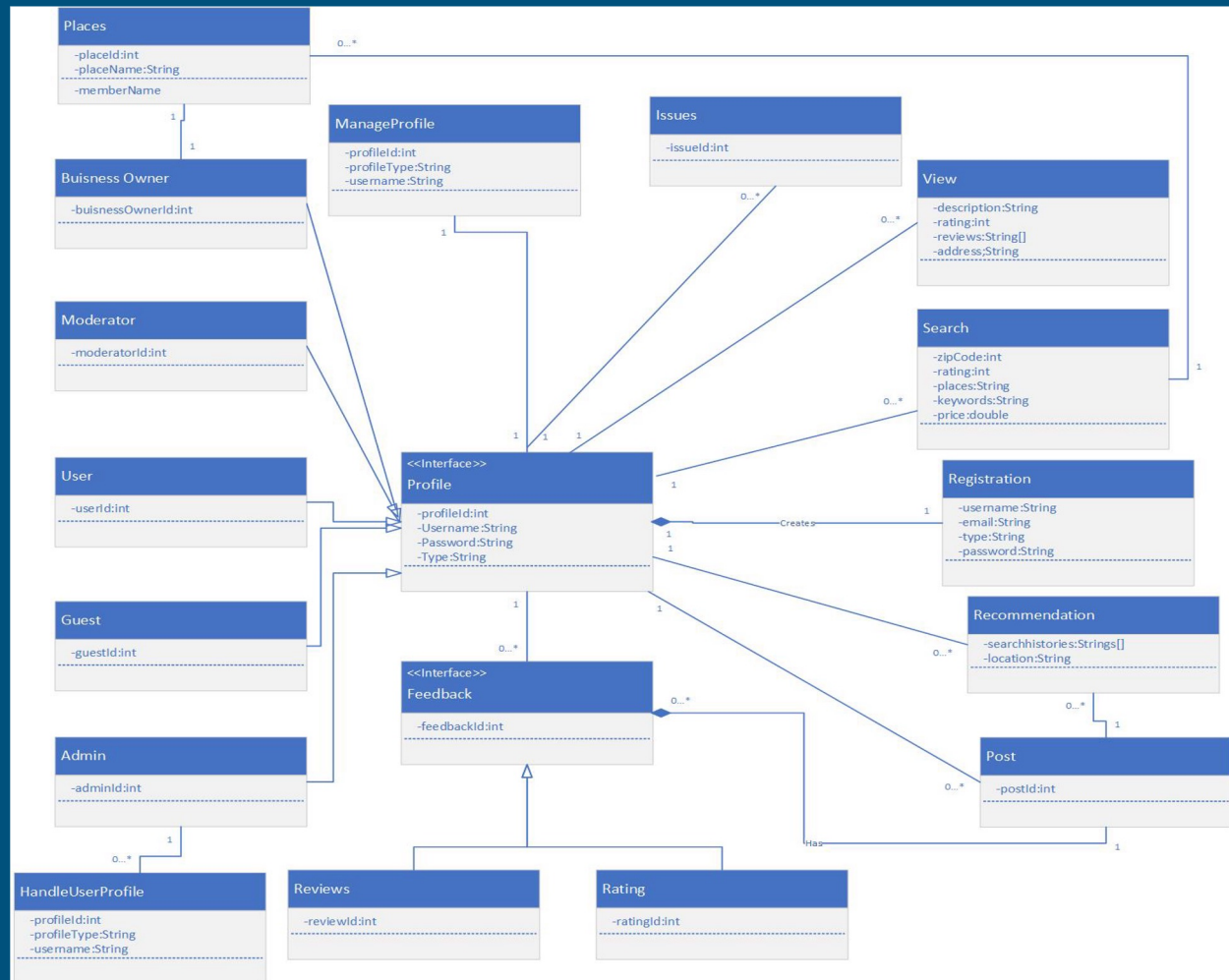
Focus Areas: Phase 2

Domain
Diagram

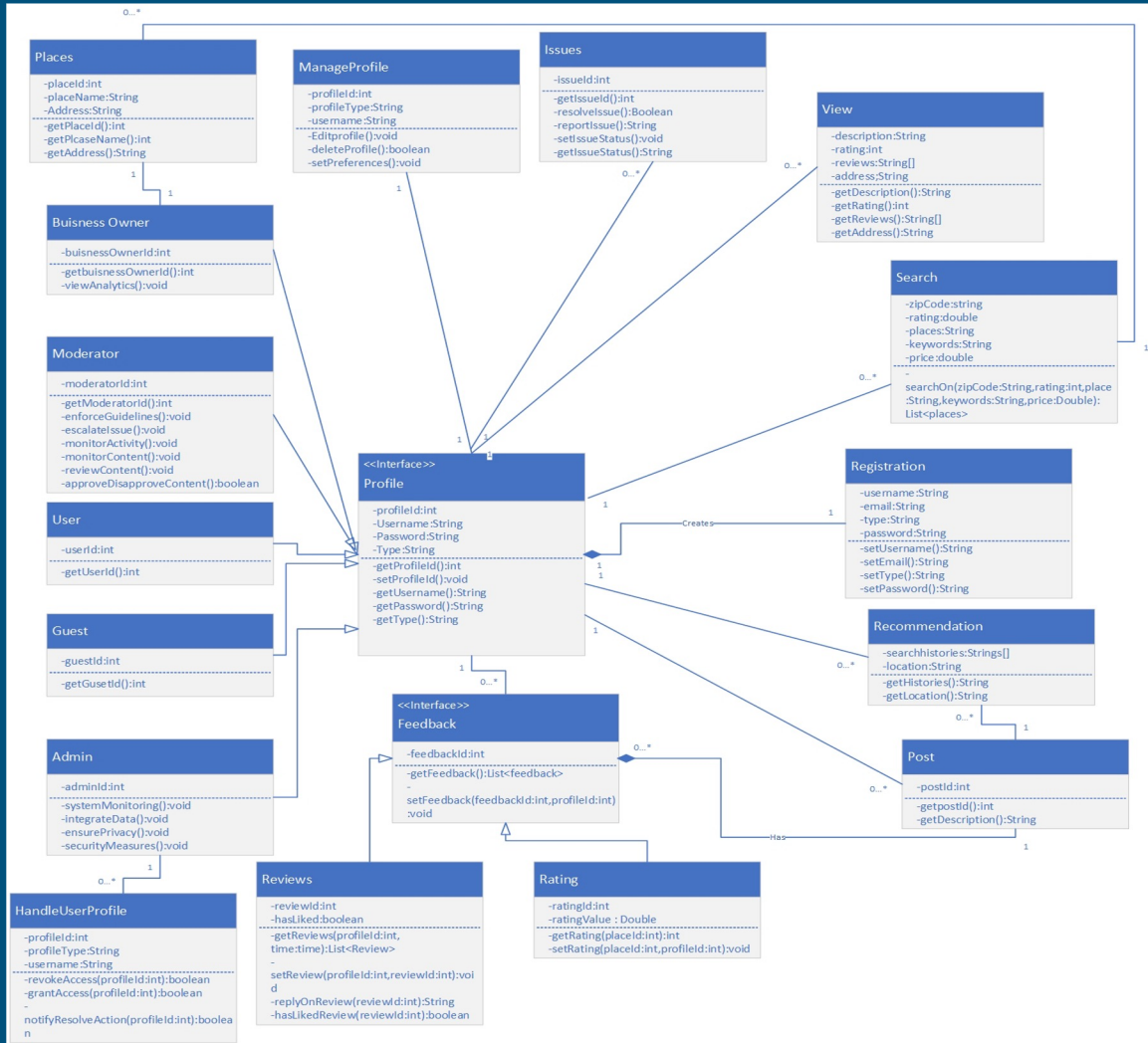
Design
Diagram

Sequence
Interaction
Diagram

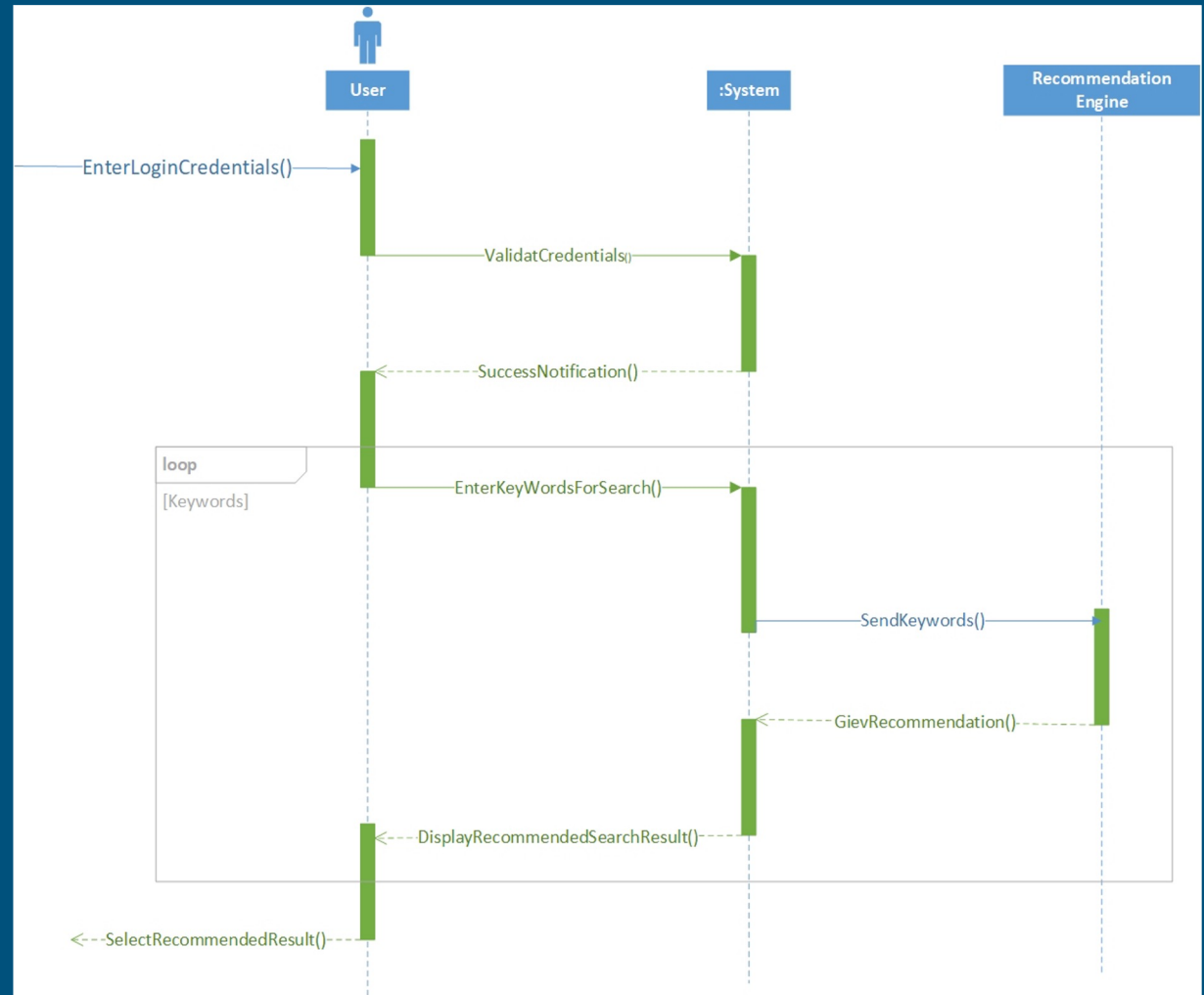
UML Domain Diagram



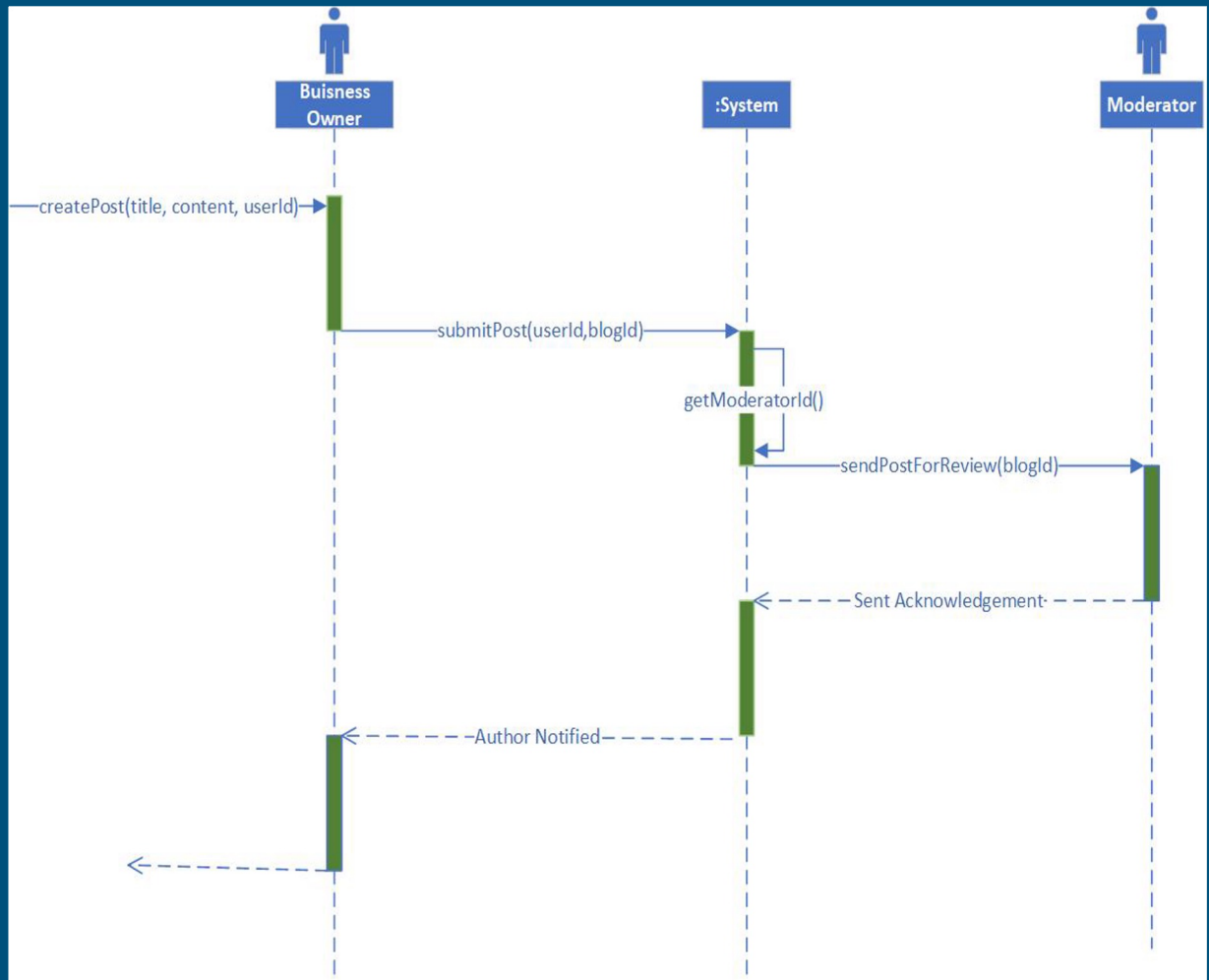
UML Design Diagram



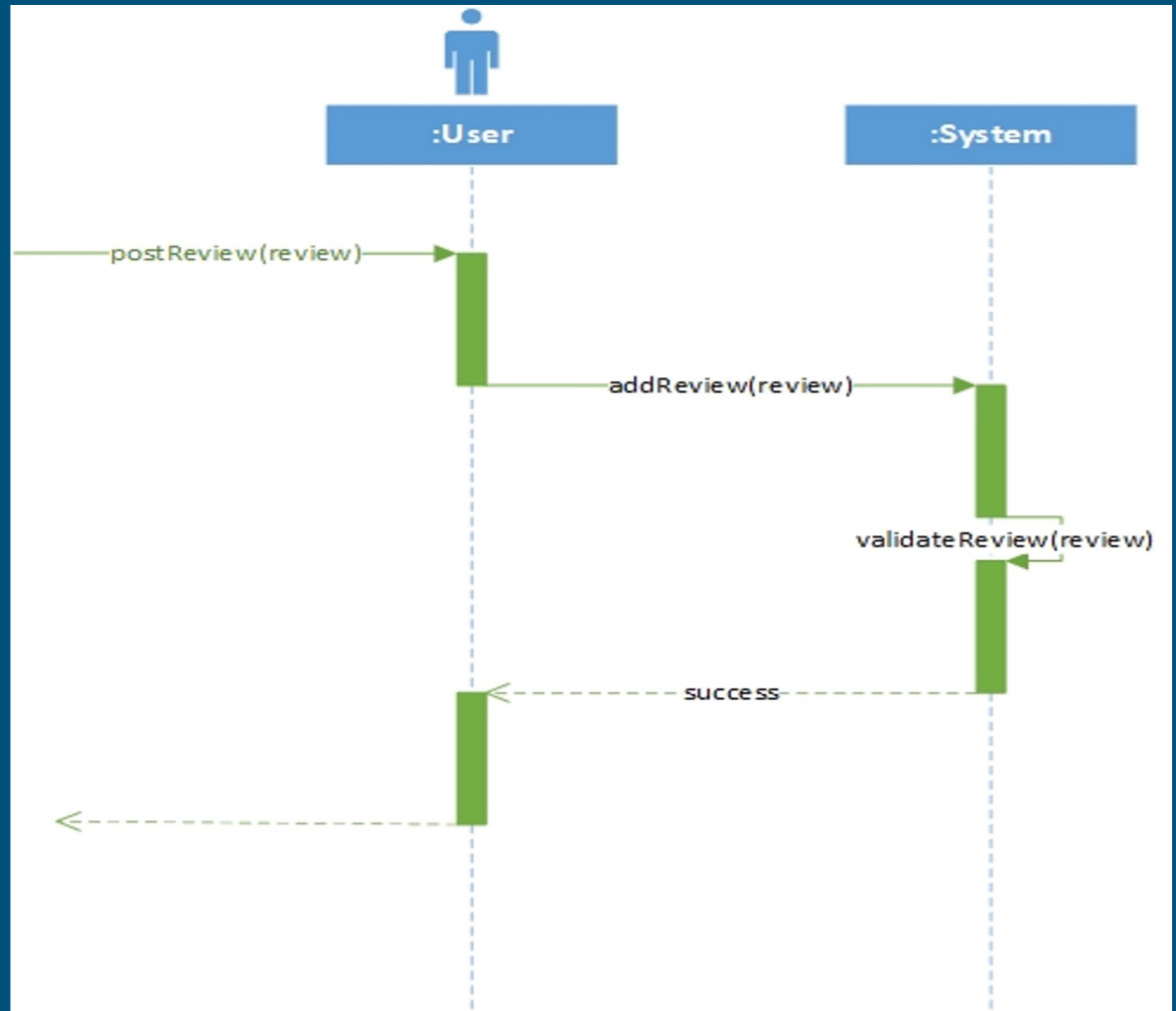
Sequence Interaction Diagram 1: Search Functionality



Sequence Interaction Diagram 2: Business Owner Create Post



Sequence Interaction Diagram 3: Post a Review



Thank you